

## Human Organ System Project

### Background

We have studied how genetically identical cells can produce different tissues (epithelial, muscular, connective and neuronal) through cellular differentiation. These tissues often form specialized structures called organs. A group of organs working together is known as an organ system.

Organ: a structure composed of different tissue types working together to perform a specific body function (e.g., the heart, the lungs).

Organ System: a system of one or more organs and structures that work together to perform a major body function (e.g., the circulatory system, the respiratory system).

### Project Description

You will be placed in a group of 3 - 4 students. Each group will be assigned an organ system that must be researched and presented to the class. Each presentation must be no less than 10 minutes and no more than 15 minutes in length. Each group must create a handout for the class.

The human organ systems that will be studied are: digestive, excretory (urinary), circulatory, respiratory.

### Criteria for Presentation

- Describe the main function of your organ system.
- Name the different organs within your system and briefly explain their structure and function(s).
- Explain how the different organs work together to achieve the overall function of the organ system.
- Include diagrams of the organ system with the different parts labeled.
- Format options: poster/display board; powerpoint; prez; interactive game; dramatization; other.

### Criteria for Handout (suggested length: one page, double-sided)

- Briefly summarizes key points.
- Includes a diagram(s) of the organ system.
- Provides three (3) questions that the class must answer during your presentation.

### Project Timeline

You will have this week to collaborate and complete the plans with your group. Presentations take place on \_\_\_\_\_ in random order. By Monday evening, your group must email me your handout so that I can photocopy it before class.

Organ System: \_\_\_\_\_

Group Members:

_____	Email: _____
_____	Email: _____
_____	Email: _____

## Evaluation

This assignment will be evaluated both independently and as a group, so it is imperative that each member of the group document their contributions to the project. A peer assessment sheet will be filled out by each group member, which also outlines each students' contribution (e.g., completed slides 1 to 5 on the PowerPoint and wrote paragraph three on the summary sheet and helped proof-read all work, etc). Each student **MUST** contribute to the development of the presentation and the handout.

Name \_\_\_\_\_

Organ System \_\_\_\_\_

	Criteria	Evaluation
Knowledge	Correct information	1 2 3 4 5
Application	Connections made to prior knowledge	1 2 3 4 5
Thinking	Organization and method of presenting materials	1 2 3 4 5
Communication	Clarity of presentation and handout	1 2 3 4 5
Teamwork	Contributions to the group project	1 2 3 4 5

Total /25

Notes:

My Name: \_\_\_\_\_

STUDENT PEER EVALUATION SHEET – Evaluate your group members. This will be done confidentially.

1 (rarely/never)

2 (occasionally/sometimes)

3 (all/most of the time)

List Each Group Member Below:

Name :

\_\_\_\_\_ did fair share of work

\_\_\_\_\_ was cooperative/did agreed upon task

\_\_\_\_\_ contributed to ideas/planning

Comments:

\_\_\_\_\_ was available for communication

\_\_\_\_\_ was positive, helpful

\_\_\_\_\_ contributed to overall project success

Word describing this person as a group member:

\_\_\_\_\_

Name :

\_\_\_\_\_ did fair share of work

\_\_\_\_\_ was cooperative/did agreed upon task

\_\_\_\_\_ contributed to ideas/planning

Comments:

\_\_\_\_\_ was available for communication

\_\_\_\_\_ was positive, helpful

\_\_\_\_\_ contributed to overall project success

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\_\_\_\_\_ contributed to ideas/planning

Comments:

\_\_\_\_\_ was available for communication

\_\_\_\_\_ was positive, helpful

\_\_\_\_\_ contributed to overall project success

Word describing this person as a group member:

\_\_\_\_\_

Rate your contribution (score out of 5) as compared to your group members. Explain your reasoning for your self-evaluation score: